REFERENCES

- Adrian C., Williams., Brian W., Barry., (2004), "Penetration enhancers" Advanced Drug Delivery Reviews 56 , 603– 618.
- Adrian P. F., Clemens G., Rainer H. M., Ralph L., (2002), "I n-vitro release and transdermal fluxes of a highly lipophilic drug and of enhancers from matrix TDS" Journal of Controlled Release 82 , 63–70.
- Agrawal S.S., Munjal P.,(2007), Permeation studies of atenololand metoprolol tartarate form three different polymer matrices for transdermal delivery. Ind J Pharm Sci., 535 -539.
- Babu R.K., Pandit J.K., (2005), "Effect of penetration enhancers on the release and skin permeation of bupranolol from reservoir-type transdermal delivery systems" International Journal of Pharmaceutics 288, 325–334.
- Calpena A C., Blanes C., Moreno J., Obach R., Domenech J., (1994), A comparative in vitro study of transdermal absorption of antiemetics, J Pharm Sci, 83 (1), 29-33.
- Chinna R. P., Ramesh G., Vamshi V. Y., Shravan K. Y., Madhusudan Rao Y., (2010), Development of bilayered mucoadhesive patches for buccal delivery of felodipine: in vitro and ex vivo characterization. Cur Trends Biotech Pharm; 4: 673-683.
- Chung S.J., (1999), Future drug delivery research in South Korea, J. Controlled Release, 62, 73-79.
- Cordero J.A., Alarcon L., Escribano E., Obach R., Domenech J., (1997), A Comparative study of the transdermal penetration of a series of Nonsteroidal anti-inflammatory drugs, J. Pharm. Sci., April, 86(4), 503-508.
- Darshan P.K., Ghosh T.K., (2005)., "Feasibility of Transdermal Delivery of Fluoxetine" AAPS PharmSciTech; 6 (2),144-149
- Dewis L., Paulo M., Faustino E. Farinha A., (1997), "In vitro comparative studies of transdermal nicotine delivery systems" International Journal of Pharmaceutics 148 177-189
- Elvira. , Ana C.C., Joseph Q., Rossend O., Jose D., (2003), Assessment of Diclofenac permeation with different formulations, anti-inflammatory study of a selected formula, Eur. J. Pharm. Sci., 19,203-210.

- Foco A., Hadziabdic J., Becic F., (2004),Transdermal drug delivery systems, Med Arch, 58, 230-234
- Franklin A., Tahir N , Martin G.P., Brown M.B., (2004), "Effect of heat on the percutaneous absorption and skin retention of three model penetrants" European Journal of Pharmaceutical Sciences 21 337–345.
- Feldstein M.M., Tohmakhchi V.N., Malkhazov L.B., VasilievA.E., Plat N.A., (1996), "Hydrophilic polymeric matrices for enhanced transdermal drug delivery" International Journal of Pharmaceutics 131, 229-242
- Gabiga H., Cal .K., Janicki S., (2000), Effect of penetration enhancers on isosorbide dinitrate penetration through rat skin from a transdermal therapeutic system, Int J Pharm, 199, 1-6.
- Gattani S.G., Gaud R.S., Chaturvedi S.C., (2007); Formulation and evaluation of transdermal films of chlorpheniramine maleate. Indian Drugs. 44(1):27-33.
- Gattani S.G., Gaud R.S., Chaturvedi S.C., (2006), Formulation and evaluation of transdermal films of ondansetron hydrochloride. Indian Drugs; 43(3):245-249.
- Gupta R Mukherjee B,, Mahapatra S.,., Patra B., Tiwarib A., Arora P., (2005)., "A comparison between povidone-ethylcellulose and povidone-eudragit transdermal dexamethasone matrix patches based on in vitro skin permeation" European Journal of Pharmaceutics and Biopharmaceutics 59., 475–483.
- Geeta A., Dhawan S .,(2009), "Development, Fabrication and Evaluation of Transdermal Drug Delivery System – Review"Pharmainfo.net vol.7, issue 5,1-18
- Godbey K.J., (1996), Improving patient comfort with nonocclusive transdermal backings, American Association of Pharmaceutical Scientists, 1-2.
- Gondaliya D., Pundarikakshudu K., (2003), Studies in formulation and pharmacotechnical evaluation of controlled release transdermal delivery system of bupropion, AAPS PharmSciTech , 4, Article3.
- Gordon R.A., Peterson T.A., (2003), Four myths about transdermal drug delivery, Drug Delivery Technology, 3, 1-7.
- Guyot M., Fawaz F., (2000), Design and in vitro evaluation of adhesive matrix for transdermal delivery of propranolol, Int J Pharm, 204, 171-182.

- Gwak H .S., Oh I.S., Chun I.K., (2003), In-vitro percutaneous absorption of ondansetron hydrochloride from pressure-sensitive adhesive matrices through hairless mouse skin, Arch Pharm Res, 26 (8), 644-8.
- Gwak H.S., Oh I.S., Chun I.K., (2004); transdermal delivery of ondansetron hydrochloride: effects of vehicles and penetration enhancers, Drug Dev Ind Pharm, 30, (2), Feb, 187-94.
- Ghorab M, Ammara H.O.,., Nahhas S.A., Kamel. R., (2006)., "Design of a transdermal delivery system for aspirin as an antithrombotic drug" International Journal of Pharmaceutics 327 , 81–88
- Hindustan A.A., Sreeramulu J., Kumar C.S., Anuradha C.M., Reddy K.K., Sushma K., Hari K. Z., and Savithri R., (2010); Fabrication and in- vitro permeation studies of Indomethacin-Ficus carica fruit mucilage patches IJABPT Volume: I: Issue-3: Nov-Dec -.786-781.
- Izumoto T., Aioi A., Uenoyana S., Kariyama K., Azuma M., (1992), Relationship between the transference of drug from a transdermal patch and physicochemical properties, Chem Pharm Bull (Tokyo), 40, 456-458.
- Jain A. K., Narisetty S.T.,Panchagnula.R., (2002)., "Transdermal drug delivery of imipramine hydrochloride.I. Effect of terpenes" Journal of Controlled Release 79.93–101.
- Jain S., Umamaheshari and Jain M.K., (2003), Transforsomes for effective transdermal delivery of Norgesterol Preparation and In Vivo Characterization. Int. J. Pharma. Sci.; 65(2); 152-160.
- Kale P., Warrier, H.C., and Shrivastava R., (1996), Preformulation stability and permeation studies of Transdermal delivery of Salbutamol sulphate, Indian Drugs , 33(5), 202.
- Kenji S and Yasunori M., (1994), Polymers for transdermal drug delivery systems., Journal of Controlled Release, 29, 177-185.
- Khatun M, Ashraful Islam S.M, Akter P, Abdul Q. M, Selim R. M., (2004), Controlled release of naproxen sodium from eudragit RS 100 transdermal film, Dhaka University J Pharm Sci, 3(1-2).
- Karande P., Mitragotri S., (2009),"Enhancement of transdermal drug delivery via synergistic action of chemicals" Biochimica et Biophysica Acta 1788, 2362–2373

- Liang F., Sachihiko N., Daisuke K.., Yasunori M., (2003) ,"The use of complexation with alkanolamines to facilitate skin permeation of mefenamic acid" International Journal of Pharmaceutics 262, 13–22.
- Lee P.J , Ahmada.N., Langer R., Mitragotri S, Shastri V.P., (2006), "Evaluation of chemical enhancers in the transdermal delivery of lidocaine" International Journal of Pharmaceutics 308, 33–39.
- Lin S, Ho H' and Chien Y.W., (1993)., "Development vitro kinetics of a new nicotine transdermal delivery system: in studies and clinical pharmacokinetic evaluations in two ethnic groups" *Journal of Controlled Release, 26* ,175-l93
- Lin S.Y., Lee C.J , Lin Y.Y.,(1995), " Drug-polymer interaction affecting the mechanical properties, adhesion strength and release kinetics of piroxicam-Ioaded Eudragit E films plasticized with different plasticizers" Journal of control release 32 , 375-381
- Madishetti S.K., Palem C.R., Gannu R., Thatipamula R.P., Panakanti P.K., and Yamsani M.R.; (2010); Development of domperidone bilayered matrix type transdermal patches: physichochemical, in vitro and ex vivo charecterization; DARU , Volume 18(3) 221-229.
- Manvi F.V., Dandagi P.M., Gadad A.P., (2003); Formulation of a transdermal drug delivery system of ketotifen fumarate. Ind J Pharm Sci.;65(3):239-43
- Michael H. Q. , Ulla H. , Kreilgaard. B., Madsen F. , Frokjaer S., (2002), "Release of chemical permeation enhancers from drug-in-adhesive transdermal patches" International Journal of Pharmaceutics 231, 253–263
- Minghetti P., Cilurzo F., Casiragh A., Molla FA., Montanari L., (1999), Dermal patches for controlled release of miconazole: Influence of drug concentration on the technical characteristics, Drug Dev Ind Pharm, 25, 679-684
- Mandal S.C, Bhattacharya M, .Chattarraj S,C., Ghosh S.K, (1991)., Preparation of matrix type Transdermal devices of Diazepam, Indian Drugs, July,28(10),478-80.
- Narasimha Murthy S., Shobha Rani R.., Hiremath, K.L.K., Paranjothy., (2004) "Evaluation of carboxymethyl guar films for the formulation of transdermal therapeutic systems" International Journal of Pharmaceutics 272., 11–18.
- Olivier J.C., Rabouan S., Couet W., (2003), "In vitro comparative studies of

two marketed transdermal nicotine delivery systems: Nicopatch and Nicorette" International Journal of Pharmaceutics 252, 133–140

- Pandey S, Praveen S.H, Udupa N, Formulation and evaluation of Nimesulide transdermal drug delivery systems, Ind. J. Pharm. Sci., Sep-Oct., 62(5),376-9.
- Panigvahi L and Ghosal K., (2002), Formulation and evaluation of transdermal drug delivery system of Terbutaline Sulphate. Int. J. Pharma. Sci.; 113;79-82
- Pfister W.R., Hsieh D.S., (1990), Permeation enhancers compatible with transdermal drug delivery systems. Part I: Selection and formulation considerations, Med Device Technol, 1, 48-55.
- Pocius A.V., Adhesives. In: Howe- Grants M.,Ed. Kirk-Othmer., Encyclopedia of Chemical Technology. New York, Wiley-Interscience.; 445-466.
- Panchagnula R., Salve P.S., Narisetty S T ., Jain A.K., Poduri R., (2001), "Transdermal delivery of naloxone: effect of water, propylene glycol, ethanol and their binary combinations on permeationthrough rat skin" International Journal of Pharmaceutics 219., 95–105
- Sampath Kumar K..P., Bhowmik D And Chiranjib. B., Chandira R.M., (2010), transdermal drug delivery system-a novel drug delivery system and its Market scope and opportunities" International Journal of Pharma and Bio Sciences V1(2),1-21
- Suryadevara P.K., Nanjwade B.K., (2010), Formulation and evaluation of antiemetic patches of ondensetron hydrochloride; Dissertation submitted in KLE Belgum, Karnataka, May.
- Sankar V., Sivanand V., Ravichandran V., (2003)., Design and evaluation of nifedipine transdermal patches. Ind J Pharm Sci.; 65(5):510-15.
- Thacharodi D., Rao P., (1996), "Rate-controlling biopolymer membranes as transdermal delivery systems for nifedipine: development and in vitro evaluations" Biomoteriols 17, 1307-1311
- Ubaidulla U, Reddy M.V, Ruckmani K., (2007), Transdermal therapeutic system of Carvedilol : effect of hydrophilic and hydrophobic matrix on in vitro and in Vivo characteristics. AAPS Pharmsci Tech.; 8(1):Article 2.
- Vlassios A., Mounir S. M. , Fotios M. P., (1995), "Design and evaluation of

transdermal chlorpheniramine maleate drug delivery system" Pharmaceutics Acta Helvetiae 70 301-306

- Walters K.A., (1997), Transdermal drug delivery systems In: Swarbick K, Boylan J.C, eds. Encyclopedia of pharmaceutical technology. New York, Marcel Dekker Inc.; 253-293.
- Williams A.C, Barry B.W., (2004), Penetration enhancers, Advanced drug delivery reviews, 56, 603-618
- Yasuko O., Yuriko A., Kikuchi S., Koichi I., Kozo T., (2010), "A statistical approach to the development of a transdermal delivery system for Ondansetron" International Journal of Pharmaceutics 399, 87–93
- Yellela S.R., Krishnaiah B. R., Vanambattina R., Kolapalli V., Ramanamurthy., (2009), Effect of PEG6000 on the In Vitro and In Vivo Transdermal Permeation of Ondansetron Hydrochloride from EVA1802 Membranes; Pharmaceutical Development and Technology, 14:53–64,
- Yogeshvar N. K., Richard H. G., (2001), "Modeling transdermal drug release" Advanced Drug Delivery Reviews 48, 159–172
- Zan J. , Jiang g., Lin Y .,Tan F., Ding F., October (2005) "transdermal delivery of piroxicam by surfactant mediated electroporation" tsinghua science and technology, ,volume 10, number 5, pp542-547